

L Number	Hits	Search Text	DB	Time stamp
7	402475	postcard or card\$ or tray	EPO; JPO; DERWENT	2004/05/18 08:35
9	3821	(insert\$ or input\$) near2 (slot or aperture or hole or opening) near4 (output or exit or discharge or outlet)	EPO; JPO; DERWENT	2004/05/18 09:01
10	234781	b41j4.ipc. or b41j\$.epc or b65h\$.ipc. b65h\$.epc.	EPO; JPO; DERWENT	2004/05/18 08:42
11	50	((insert\$ or input\$) near2 (slot or aperture or hole or opening) near4 (output or exit or discharge or outlet)) and (b41j4.ipc. or b41j\$.epc or b65h\$.ipc. b65h\$.epc.)	EPO; JPO; DERWENT	2004/05/18 09:01
12	330355	b41j\$.ipc. or b41j\$.epc.	EPO; JPO; DERWENT	2004/05/18 09:01
13	37	(output or exit or discharge or outlet) near1 (Tray) near2 (pivot or pivoting or pivoted or rotate or rotated or rotating)	EPO; JPO; DERWENT	2004/05/18 09:12
14	9	(b41j\$.ipc. or b41j\$.epc.) and ((output or exit or discharge or outlet) near1 (Tray) near2 (pivot or pivoting or pivoted or rotate or rotated or rotating))	EPO; JPO; DERWENT	2004/05/18 09:04
15	10	HUSEBY-WILLIAMS\$.in.	USPAT;	2004/05/18 09:06
16	1	("4872026").PN.	US-PGPUB USPAT;	2004/05/18 09:06
17	6	(output or exit or discharge or outlet) near1 (Tray) near2 (hinge or hinged or hinging)	EPO; JPO; DERWENT	2004/05/18 09:10
18	178	(output or exit or discharge or outlet) near1 (Tray) near2 (pivot or pivoting or pivoted or rotate or rotated or rotating or hinge or hinged or hinging)	USPAT;	2004/05/18 09:15
19	82143	400/\$.ccls. or 347/\$.ccls. or 271/\$.ccls.	US-PGPUB USPAT;	2004/05/18 09:12
20	96	((output or exit or discharge or outlet) near1 (Tray) near2 (pivot or pivoting or pivoted or rotate or rotated or rotating or hinge or hinged or hinging)) and (400/\$.ccls. or 347/\$.ccls. or 271/\$.ccls.)	USPAT;	2004/05/18 09:13
21	44	discharge adj tray adj m1004	US-PGPUB USPAT;	2004/05/18 09:13
22	33	(output or exit or discharge or outlet) near1 (Tray) near2 (fold\$)	US-PGPUB USPAT;	2004/05/18 09:16
23	10	(400/\$.ccls. or 347/\$.ccls. or 271/\$.ccls.) and ((output or exit or discharge or outlet) near1 (Tray) near2 (fold\$))	US-PGPUB USPAT;	2004/05/18 09:16
24	4	("2570994" "3720407" "5081487" "5241353").PN.	USPAT	2004/05/18 09:16
25	6	5241353.URPN.	USPAT	2004/05/18 09:18
26	5	("4652110" "5111252" "5118093" "5119138" "5132741").PN.	USPAT	2004/05/18 09:19
-	4	colilla and greeting adj card	USPAT;	2004/05/14 16:53
-	1	mccue-thomas\$.in. and greeting adj card	US-PGPUB USPAT;	2004/05/14 16:53
-	5	mccue-thomas\$.in.	US-PGPUB USPAT;	2004/05/14 16:55
-	21	mccue\$-thomas\$.in.	US-PGPUB USPAT;	2004/05/14 17:00
-	2470805	(card or postcard) near2 slot (input or insert\$)	US-PGPUB EPO; JPO;	2004/05/14 17:02
-	330081	b41j\$.ipc. or b41j\$.epc.	DERWENT EPO; JPO;	2004/05/14 17:01
-	39681	((card or postcard) near2 slot (input or insert\$)) and (b41j\$.ipc. or b41j\$.epc.)	DERWENT EPO; JPO;	2004/05/14 17:01
-	7340	(card or postcard) near2 slot (input or insert\$) near2 (tray)	DERWENT EPO; JPO;	2004/05/14 17:02
-	344	((card or postcard) near2 slot (input or insert\$)) and (b41j\$.ipc. or b41j\$.epc.) and ((card or postcard) near2 slot (input or insert\$) near2 (tray))	DERWENT EPO; JPO;	2004/05/14 17:19
-	0	(hing\$ or pivot or pivoting or pivoted).clm.	DERWENT EPO; JPO;	2004/05/14 17:10
-	239742	(hing\$ or pivot or pivoting or pivoted).clm.	DERWENT USPAT;	2004/05/14 17:10
-	0	mccue\$-thomas\$.in. and ((hing\$ or pivot or pivoting or pivoted).clm.)	US-PGPUB USPAT;	2004/05/14 17:10
-	4325	(hing\$ or pivot or pivoting or pivoted) near2 (output tray)	US-PGPUB USPAT;	2004/05/14 17:11

-	58419	400/\$.ccls. or 347/\$.ccls.	USPAT; US-PGPUB	2004/05/14 17:11
-	103	((hing\$ or pivot or pivoting or pivoted) near2 (output tray)) and (400/\$.ccls. or 347/\$.ccls.)	USPAT; US-PGPUB	2004/05/14 17:14
-	2	mccue\$-thomas\$.in. and third.clm.	USPAT; US-PGPUB	2004/05/14 17:15
-	2	mccue\$-thomas\$.in. and biased.clm.	USPAT; US-PGPUB	2004/05/14 17:15
-	267	(((((card or postcard) near2 slot (input or insert\$)) and (b41j\$.ipc. or b41j\$.epc.)) and ((card or postcard) near2 slot (input or insert\$) near2 (tray))) not card adj slot	EPO; JPO; DERWENT	2004/05/14 17:29
-	302080	tray or card or postcard	EPO; JPO; DERWENT	2004/05/14 17:31
-	1665	greeting near1 card	EPO; JPO; DERWENT	2004/05/14 17:42
-	50	birthday adj card	EPO; JPO; DERWENT	2004/05/14 17:43
-	1698	(greeting near1 card) or (birthday adj card)	EPO; JPO; DERWENT	2004/05/14 17:43
-	65	(b41j\$.ipc. or b41j\$.epc.) and ((greeting near1 card) or (birthday adj card))	EPO; JPO; DERWENT	2004/05/18 08:33
-	1	("5661543").PN.	USPAT; US-PGPUB	2004/05/14 17:52
-	4	("4184764" "4766492" "4857964" "5365308").PN.	USPAT	2004/05/14 17:52
-	0	5661543.URPN.	USPAT	2004/05/14 17:53

United States Patent [19]

Beck et al.

[11] 4,083,553

[45] Apr. 11, 1978

[54] **COPY SHEET HANDLING APPARATUS FOR A COPIER**

[75] Inventors: Christian A. Beck, Ridgefield;
William A. Ross, Darien, both of Conn.

[73] Assignee: Pitney-Bowes, Inc., Stamford, Conn.

[21] Appl. No.: 743,983

[22] Filed: Nov. 22, 1976

[51] Int. Cl.² B65H 1/04; B65H 3/06;
B65H 31/02

[52] U.S. Cl. 271/4; 271/117;
271/164; 271/170; 271/213

[58] Field of Search 271/164, 170, 162, 157,
271/167, 171, 117, 213, 207, 4, 3, 5-7

[56] **References Cited**

U.S. PATENT DOCUMENTS

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[57] **ABSTRACT**

In a copier, there is provided copy sheet handling apparatus which includes an arrangement of the instrumentalities for aligning the end edges of a stack of copy sheets when the stack is being loaded and for then maintaining alignment of the end edges; and linkage for moving the respective aligning and alignment maintaining instrumentalities in a predetermined sequence to facilitate loading copy sheets in the copier.

2 Claims, 8 Drawing Figures

